MITSUBISHI MOTOR SALES OF AMERICA, Inc.

TECHNICAL SERVICE BULLETIN

SUBJECT:

V5MT1 5 SPEED MANUAL TRANSMISSION HARD SHIFT

NO.	TSB-91-22-008
DATE	March, 1991
MODEL	1989–90 Montero, 1989–90 Truck

RECEIVED
MAR 14 1991

PURPOSE

If in cold weather (40°F or lower) you encounter a hard 1st to 2nd shifting condition on a 1989 - 1990 Montero or a 1989 - 1990 Truck, the condition may be improved by replacing some 1st & 2nd synchronizer components. This bulletin describes the necessary transmission components that should be replaced to improve this condition.

CORRECTIVE ACTION

To improve the hard cold 1st to 2nd shift, the transmission must be disassembled. Depending on model year, various 1st-2nd gear components need to be replaced, and a tube of transmission friction modifier added to the gear oil.

NOTE: Before re-filling the transmission with gear oil, the friction modifier additive (contained in the parts kit) must be added.

MODELS AFFECTED

1989 - 1990 Monteros and 1989 - 1990 V6 Trucks equipped with V5MT1 (5 speed manual transmissions) manufactured before June, 1990.

WARRANTY INFORMATION

Standard warranty procedures apply.

YEAR	OPERATION	LABOR OPERATION CODE	TIME ALLOWANCE
1989	1-2 Synchronizer Kit Installation	KPS07420	8.0 hrs.
1990	1-2 Synchronizer Kit Installation	KPS07320	8.0 hrs.

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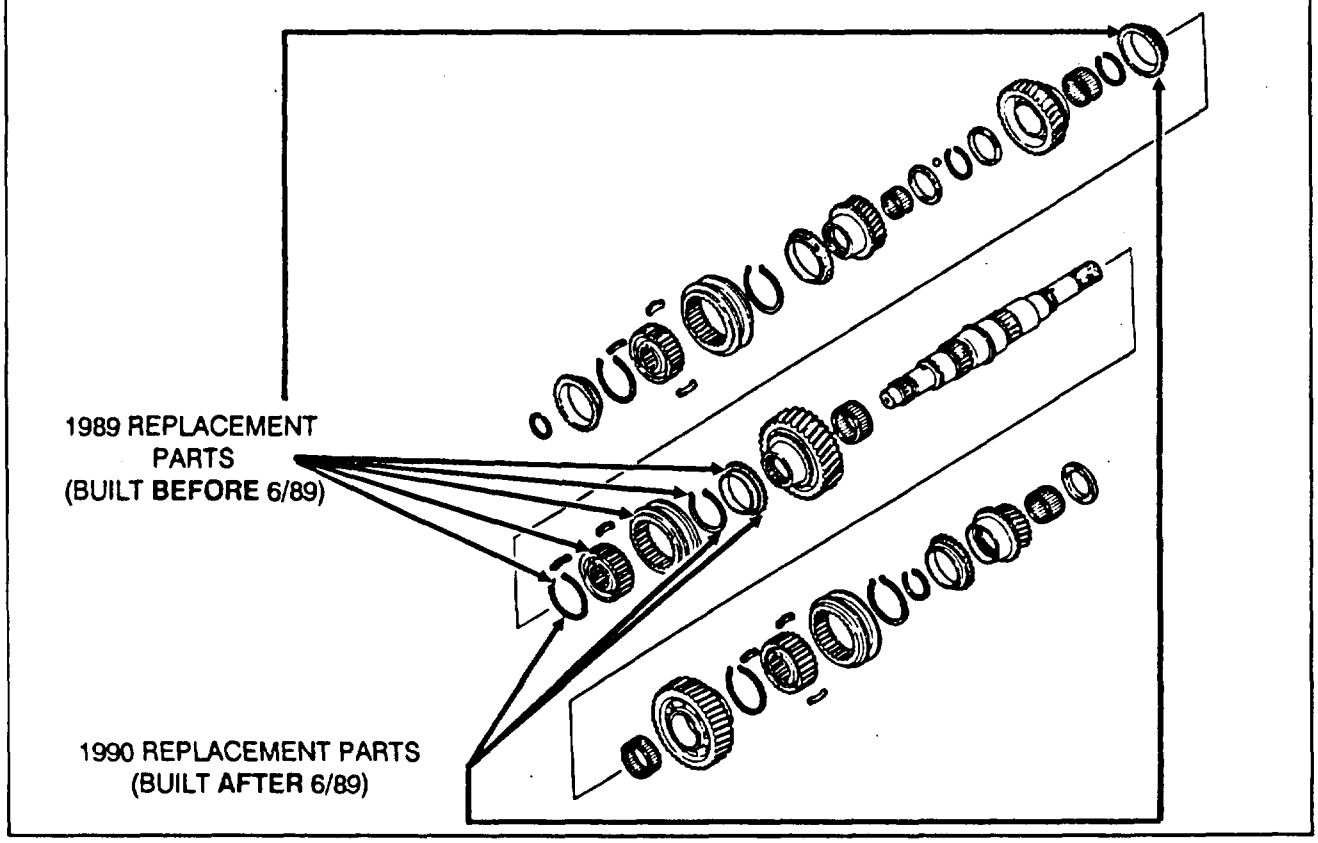
FILE UNDER: Group 22 Manual Transmission In the Dealer Service Information Binder (914)

CIRCULATE TO:			
☑ SERVICE ADVISOR	☑ SERVICE MANAGER	☑ WARRANTY PROCESSOR	☐ SALES MANAGER
☐ GENERAL MANAGER	☑ PARTS MANAGER	☑ TECHNICIAN	

PARTS INFORMATION

YEAR	KIT PART NUMBER	KIT CONTENTS
1989 Built **before** 6/89	ME581052	1st gear synchro ring– ME581048, 2nd gear synchro ring–ME581049, 2 springs, sleeve, hub, friction modifier
1990 Built **between** 6/89 and 6/90	ME581051	1st gear synchro ring– ME581048, 2nd gear synchro ring–ME581049, 2 springs, friction modifier

V5MT1 TRANSMISSION MAINSHAFT (EXPLODED VIEW)



SERVICING INFORMATION

Refer to the applicable service manual for transmission removal, disassembly, reassembly, and installation information.
1989 Montero, Section 21 -- Manual Transmission.
1990 Montero, Section 22 -- Manual Transmission.

NOTE: The new synchro rings require a break-in period of at least 100 1st to 2nd shifts. During the break-in period, shift effort will change .